

DEVAL L. PATRICK GOVERNOR TIMOTHY P. MURRAY LIEUTENANT GOVERNOR JUDYANN BIGBY, MD SECRETARY JOHN AUERBACH

COMMISSIONER

# The Commonwealth of Massachusetts Executive Office of Health and Human Services Department of Public Health William A. Hinton State Laboratory Institute 305 South Street, Jamaica Plain, MA 02130

08/19/2011

Ryan Mingo Assistant District Attorney, Suffolk County

Dear ADA Mingo,

Enclosed is the information you requested in regards to Commonwealth vs. Included are copies of the following:

- 1. Curriculum Vitae for Annie Dookhan and Nicole Medina.
- 2. Drug Analysis Laboratory Receipt.
- 3. Control Cards with analytical results for samples #
- 4. Analysis sheets with custodial chemist's hand notations and test results.
- 5. GC/Mass Spectral analytical data for samples #

Annie Dookhan was the custodial chemist and performed the preliminary testing and net weight for this sample. Nicole Medina was the confirmatory chemist and analyzed the GC/MS data for this sample.

If you have any questions about these materials, please call me at the number below.

Sincerely

Annie Dookhan

Chemist II

Drug Analysis Lab

Jamaica Plain, MA. 02130

(617) 983-6631



| CC #   |     |  |
|--------|-----|--|
| BOOK # | 64  |  |
| PAGE # | 106 |  |
|        |     |  |

| DRUG RECEIPT PAGE #  DESTRUCTION #   |          |   |  |                       |
|--|----------|---|--|-----------------------|
|  | ı        | JESTRUCTION #   |  |                       |
| District/Unit A-1 DCU  |          |   |  |                       |
| Name & Rank of Arresting Officer $\frac{s/t}{t}$   | Wm DW    | AИ  | ID# 1006   | 0                     |
| •  |          |   |  |                       |
| DEFENDANT'S NAME   |          | ADDRESS   | CITY   | STATE                 |
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| RUG RECEIPT                        | PAGE #            | 2/108           |                    |
|------------------------------------|-------------------|-----------------|--------------------|
| istrict/UnitA-/_DC//               | A                 |                 |                    |
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| DESCRIPTION OF ITEMS SUBMITTED     | GROSS<br>QUANTITY | GROSS<br>WEIGHT | ANALYSIS<br>NUMBER |
| Maryvana                           | 5 1/13            | 369.0g          |                    |
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DATE REC'D: 04/13/2011 No. ANALYZED:

GROSS WT:

23.42Ø NET WT:

TESTS: 30ASO

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# DRUG POWDER ANALYSIS FORM

| SAMPLE#                      | _ AGENCY BOSTED | ANALYST                               | A3 9                                   |
|------------------------------|-----------------|---------------------------------------|--|
| No. of samples tested:       | _               | Evidence Wt.                          |  |
| PHYSICAL DESCRIPTION:        |                 | Gross Wt(3):_                         | 1.9475                                 |
| white chuic                  | 2 substance     | Gross Wt ( 1 ):_                      | 1.0424                                 |
| 13                           | 3 600           | Pkg. Wt:                              |  |
|                              | ·               | Net Wt:                               | 0.6919                                 |
|                              |                 |                                       |  |
|                              |                 | ,                                     |  |
|                              |                 |                                       |  |
|                              |                 |                                       |  |
|                              |                 |                                       |  |
|                              |                 |                                       |  |
| PRELIMINARY TESTS Spot Tests |                 | Microcrystalline Tes                  | <u>ts</u>                              |
| Cobalt                       |                 | Gold                                  |  |
| Thiocyanate ( +)             | -               | Chloride +                            |  |
| Marquis                      | -               | TLTA ( +) +-                          | ,                                      |
| Froehde's                    | <b>-</b>        | O'THER TESTS                          | · .                                    |
| Mecke's                      | · ·             | · · · · · · · · · · · · · · · · · · · |  |
|                              |                 |                                       | APPAN annonegened koppange- om a med   |
|                              |                 |                                       |  |
| PRELIMINARY TEST RESULTS     | (               | GCIMS CONFIRMATORY                    | TEST                                   |
| RESULTS COCCURO              | . F             | ESULTS cocan                          | <u>)</u>                               |
| DATE Ob-1-11                 | OPE             | MS<br>ERATOR <u>Pers</u>              | ······································ |
|                              |                 | DATE 7-6-11                           |  |

Revised 7/2005

# DRUG POWDER ANALYSIS FORM

| SAMPLE#                  | _ AGENCY_  | Bosson.        | ANALYST              | ASO   |
|--------------------------|------------|----------------|----------------------|---|
| No. of samples tested:   | une.       |                |                      |   |
| PHYSICAL DESCRIPTION:    |            |                | Gross Wt( ):         |   |
| white orygi              | -allie     | susstace       | Gross Wt( ):         |   |
|                          | ) cl . sug | you cakes.     |                      |   |
|                          |            |                |                      | 11.4080   |
| i .                      |            |                |                      | •   |
| •                        | (0w608)    | E              | 6.                   |   |
|                          |            |                |                      |   |
|                          |            |                |                      |   |
|                          | ·          |                |                      |   |
|                          |            |                |                      |   |
| PRELIMINARY TESTS        |            |                |                      |   |
| Spot Tests               | •          | <u>r.</u>      | Microcrystalline Tes | ts  |
| Cobalt                   |            | (Chia          | Gold                 |   |
| Thlocyanate ( - ) ~      | -          |                | oride                |   |
| Marquis                  |            | 11             | LTA <u>( )</u>       |   |
| Froehde's                |            | <u> 0116 =</u> | O'THER TESTS         |   |
| Mecke's                  |            |                | ics - 0              |   |
|                          |            | G-C -          |                      |   |
|                          |            | 4              |                      | onconcerns and all all all all all all all all all al |
| PRELIMINARY TEST RESULTS |            | GC/M:          | S CONFIRMATORY       | TEST  |
| RESULTS Negane           |            |                | .TS8T,               |   |
| DATE 06-1-11             |            |                | IS                   | 00000 00000000000000000000000000000000                |
|                          |            |                | OR                   |   |
|                          |            | DA             | TE                   |   |

Revised 7/2005

# DRUG POWDER ANALYSIS FORM

| SAMPLE#                      | _ AGENCY_  | BOBTEN     | ANALYST              | 450   |
|------------------------------|------------|------------|----------------------|-------|
| No. of samples tested:       |            |            | Evidence Wt.         |       |
| PHYSICAL DESCRIPTION:        |            |            | Gross Wt( ):         | 227.7 |
| Clear liqui                  | ور رم      |            | Gross Wt ( ):        |       |
| 2 0/01                       |            | ,          | Pkg. Wt:             |       |
|                              |            |            | Net Wt:              | •     |
|                              |            |            |                      |       |
|                              |            |            |                      |       |
|                              |            |            |                      |       |
|                              |            |            |                      |       |
|                              | V.         |            |                      | -     |
| PRELIMINARY TESTS Spot Tests | <i>*</i> ' | <u>M</u>   | crocrystalline Tests |       |
| Cobalt  Thiocyanate ( -) -   | _          | G<br>Chlor | old<br>ide           |       |
| S Marquis                    | •          |            | TA <u>( )</u>        |       |
| S Froehde's                  |            | 71711C=    | OTHER TESTS          | •     |
| S Mecke's                    |            | 5GC=       |                      |       |
|                              |            | p          |                      | ·     |
| PRELIMINARY TEST RESULTS     |            | GCIMS      | CONFIRMATORY T       | EST   |
| RESULTS NOGHILE ?            |            |            | rs <u>vegenir</u>    |       |
| DATE 06-1-11                 |            | M          | _                    |       |
|                              |            |            | 1E                   |       |

Revised 7/2005

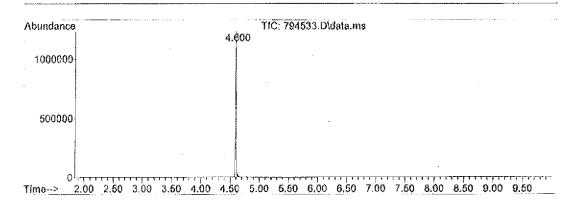
File Name : F:\SYSTEM4\07\_01\_11\794533.D

Operator : NEM

Date Acquired : 1 Jul 2011 17:44 Sample Name : COCAINE STD

Sample Name : Submitted by :

Vial Number : 33 AcquisitionMeth: DRUGS Integrator : RTE



| Ret. Time | Area    | Area % | Ratio % |
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| 4.600     | 1146352 |        | 100.00  |

File Name

: F:\SYSTEM4\07\_01\_11\794533.D

Operator

: NEM

Date Acquired Sample Name

1 Jul 2011 17:44

COCAINE STD

Submitted by Vial Number

33

AcquisitionMeth: DRUGS Integrator

: RTE

Search Libraries:

C:\Database\SLI.L

Minimum Quality: 80

C:\Database\NIST08.L

Minimum Quality: 80

C:\Database\PMW\_TOX2.L

PK# RT

1

Library/ID

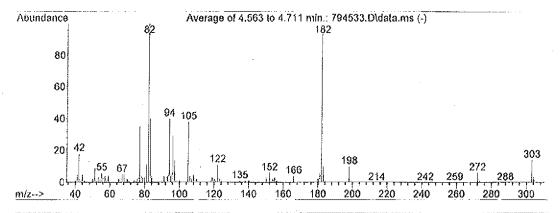
CAS#

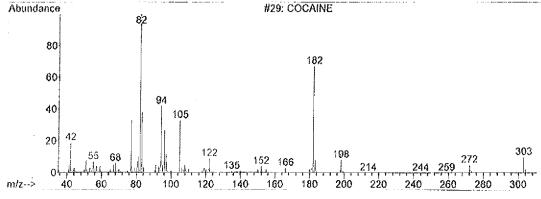
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COCAINE

000050-36-2 99





File Name : F:\SYSTEM4\07\_01\_11\794534.D

Operator

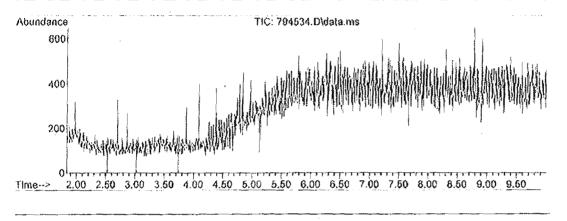
: NEM

Date Acquired : 1 Jul 2011 17:57

Sample Name Submitted by Vial Number

: BLANK : ASD

; 1 AcquisitionMeth: DRUGS Integrator : RTE



Ret. Time

Area

Area %

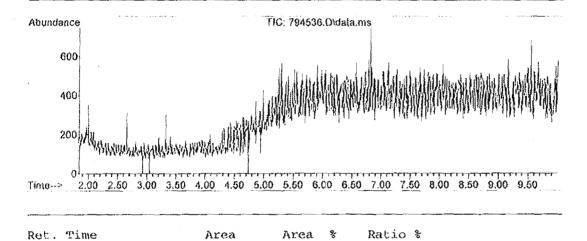
Ratio %

File Name : F:\SYSTEM4\07\_01\_11\794536.D

Operator : NEM

Date Acquired : 1 Jul 2011 18:24

Sample Name : BLANK Submitted by : ASD Vial Number : 1 AcquisitionMeth: DRUGS Integrator : RTE



## Area Percent / Library Search Report

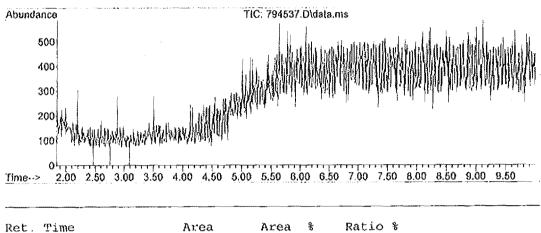
Information from Data File:

: F:\SYSTEM4\07\_01\_11\794537.D File Name

: NEM Operator

Date Acquired : 1 Jul 2011 18:37

Sample Name BLANK Submitted by : ASD Vial Number 1 AcquisitionMeth: DRUGS Integrator : RTE

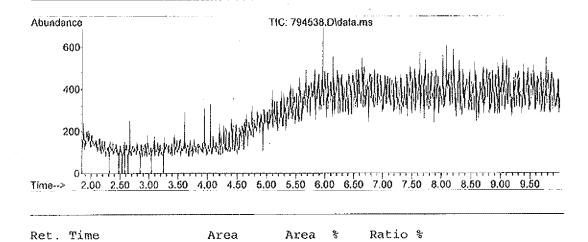


File Name : F:\SYSTEM4\07\_01\_11\794538.D

Operator : NEM

Date Acquired : 1 Jul 2011 18:50

Sample Name : BLANK Submitted by : ASD Vial Number : 1 AcquisitionMeth: DRUGS Integrator : RTE

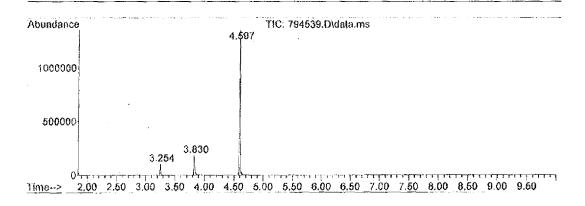


File Name : F:\SYSTEM4\07\_01\_11\794539.D

Operator : NEM

1 Jul 2011 19:04

Date Acquired Sample Name Submitted by ASD Vial Number 39 AcquisitionMeth: DRUGS Integrator : RTE



| Ret. Time | Area    | Area % | Ratio % |  |
|-----------|---------|--------|---------|--|
| 3.254     | 101445  | 5.98   | 7.37    |  |
| 3.830     | 218864  | 12.89  | 15.89   |  |
| 4.597     | 1377391 | 81.13  | 100.00  |  |

File Name : F:\SYSTEM4\07\_01\_11\794539.D

Operator : NEM

1 Jul 2011 19:04 Date Acquired

Sample Name

Submitted by ASD Vial Number 39 AcquisitionMeth: DRUGS Integrator : RTE

Search Libraries:

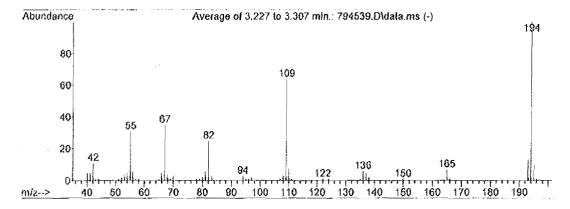
C:\Database\SLI.L

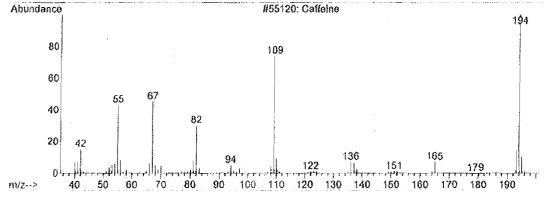
Minimum Quality: 80 Minimum Quality: 80

C:\Database\NIST08.L

C:\Database\PMW\_TOX2.L

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File Name : F:\SYSTEM4\07\_01\_11\794539.D

Operator : NEM

Date Acquired : 1 Jul 2011 19:04

Sample Name :

Submitted by : ASD Vial Number : 39 AcquisitionMeth: DRUGS Integrator : RTE

Search Libraries:

C:\Database\SLI.L

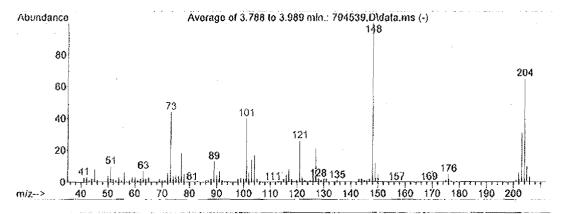
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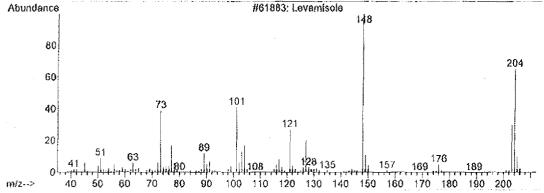
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Minimum Quality: 80

C: \Database\PMW\_TOX2.L

| PK#   | RT   | Library/ID                         |             | CAS#        | Qual |
|-------|------|------------------------------------|-------------|-------------|------|
| <br>2 | 3,83 | C:\Database\NIST08.L<br>Levamisole |             | 006649-23-6 | 99   |
|       |      | Imidazo[2,1-b]thiazole, 2          | 2,3,5,6-tet | 014769-73-4 | 99   |
|       |      | Levamisole                         |             | 006649-23-6 | 97   |





File Name : F:\SYSTEM4\07\_01\_11\794539.D

Operator : NEM

Date Acquired : 1 Jul 2011 19:04

Sample Name :
Submitted by : ASD
Vial Number : 39
AcquisitionMeth: DRUGS
Integrator : RTE

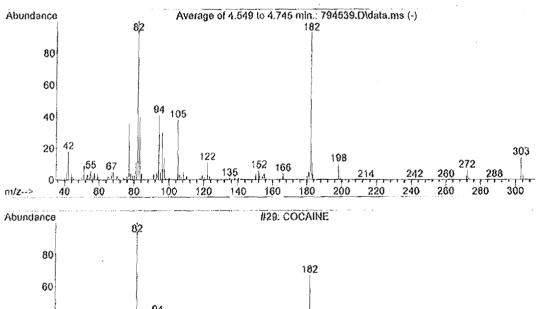
Search Libraries: C:\Database\SLI.L Minimum Quality: 80

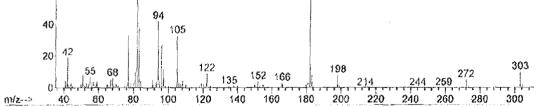
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PK# RT Library/ID CAS# Qual

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COCAINE 000050-36-2 99





794539.D

Thu Aug 18 07:33:29 2011

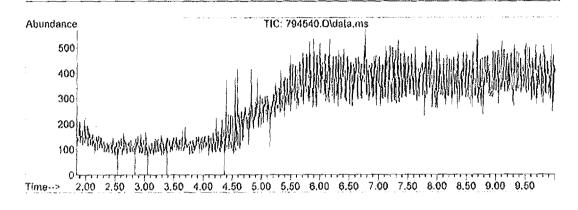
Page 4

File Name : F:\SYSTEM4\07\_01\_11\794540.D

Operator : NEM

Date Acquired : 1 Jul 2011 19:17

Sample Name : BLANK
Submitted by : ASD
Vial Number : 1
AcquisitionMeth: DRUGS
Integrator : RTE



Ret. Time

Area

Area %

Ratio %

File Name : F:\SYSTEM4\07\_01\_11\794543.D

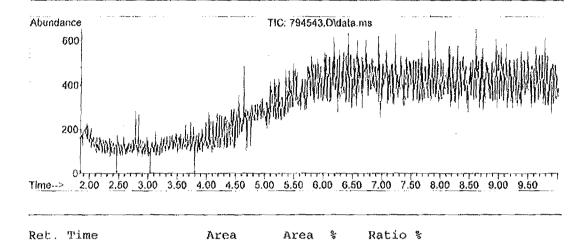
Operator : NEM

Date Acquired : 1 Jul 2011 19:57

Sample Name : BLANK

Submitted by

Vial Number : 1 AcquisitionMeth: DRUGS Integrator : RTE



File Name : F:\SYSTEM4\07\_01\_11\794544.D

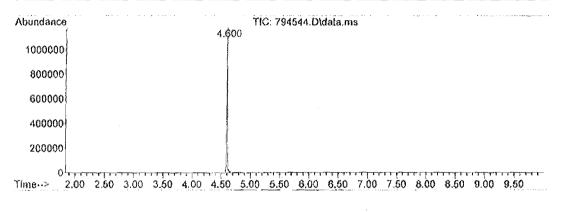
Operator : NEM

Date Acquired : 1 Jul 2011 20:10

Sample Name : COCAINE STD

Submitted by

Vial Number : 33 AcquisitionMeth: DRUGS Integrator : RTE



| Ret. Time | Area    | Area % | Ratio % |
|-----------|---------|--------|---------|
| 4.600     | 1137818 | 100.00 | 100.00  |

File Name : F:\SYSTEM4\07 01 11\794544.D

: NEM Operator

Date Acquired : 1 Jul 2011 20:10

Sample Name : COCAINE STD

Submitted by

Vial Number 33 AcquisitionMeth: DRUGS Integrator : RTE

Search Libraries:

C:\Database\SLI.L

Minimum Quality: 80 Minimum Quality: 80

C:\Database\NIST08.L

C:\Database\PMW\_TOX2.L

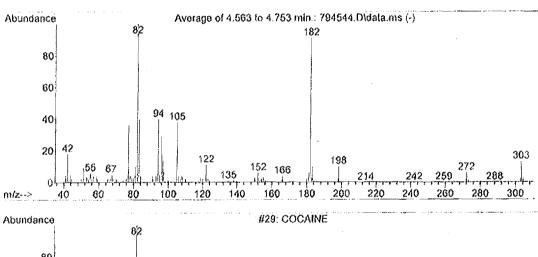
CASI PK# RT Library/ID Qual

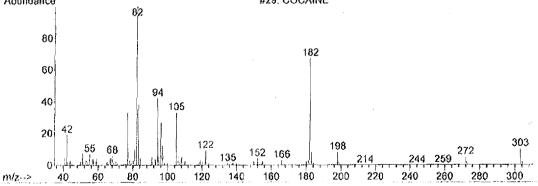
4.60 C:\Database\SLI.L 1,

COCAINE

000050-36-2

99





File Name : F:\SYSTEM4\07\_01\_11\794545.D

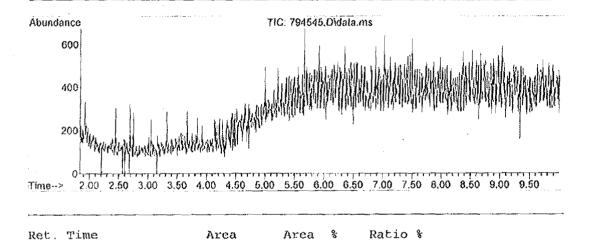
Operator : NEM

Date Acquired : 1 Jul 2011 20:24

Sample Name : BLANK

Submitted by

Vial Number : 1 AcquisitionMeth: DRUGS Integrator : RTE



File Name : F:\SYSTEM4\07\_01\_11\794585.D

: NEM

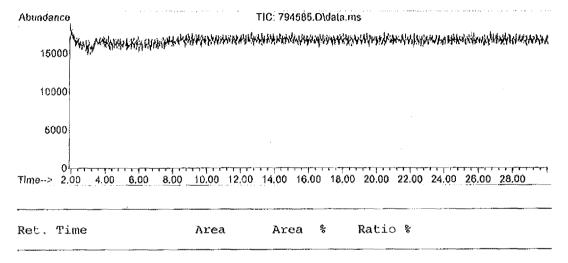
Operator Date Acquired : 2 Jul 2011 13:44

Sample Name Submitted by Vial Number

: BLANK ASD

AcquisitionMeth: SCREEN Integrator

: RTE



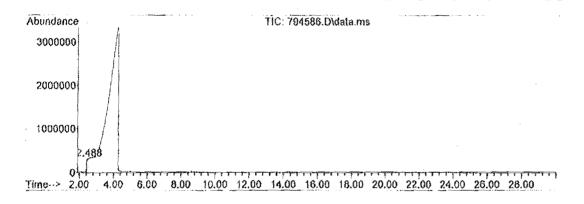
File Name : F:\SYSTEM4\07\_01\_11\794586.D

NEM Operator

Date Acquired : 2 Jul 2011 14:18

Sample Name

Submitted by ASD Vial Number 86 AcquisitionMeth: SCREEN Integrator : RTE



| Ret. Time | Area    | Area % | Ratio % |
|-----------|---------|--------|---------|
| 2.488     | 1442552 | 100.00 | 100.00  |

File Name : F:\SYSTEM4\07\_01\_11\794586.D

Operator : NEM

Date Acquired 2 Jul 2011 14:18

Sample Name Submitted by Vial Number

Integrator

ASD 86 AcquisitionMeth: SCREEN : RTE

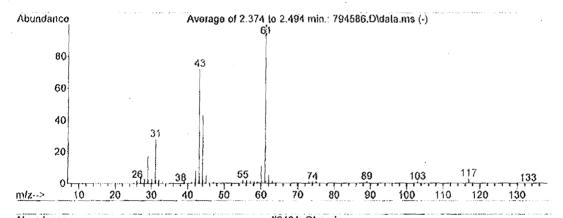
Search Libraries: C:\Database\SLI.L

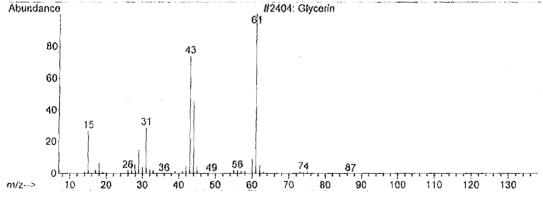
Minimum Quality: 80 Minimum Quality: 80

C:\Database\NIST08.L

C:\Database\PMW\_TOX2.L

| ÞΚ‡   | RT   | Library/ID           | CAS#        | Qual |
|-------|------|----------------------|-------------|------|
| <br>1 | 2,49 | C:\Database\NIST08.L |             |      |
|       |      | Glycerin             | 000056-81-5 | 90   |
|       |      | Diglycerol           | 000627-82-7 | 83   |
|       |      | Glycerin             | 000056-81-5 | 83   |





### Area Percent / Library Search Report

Information from Data File:

File Name : F:\SYSTEM4\07\_01\_11\794587.D

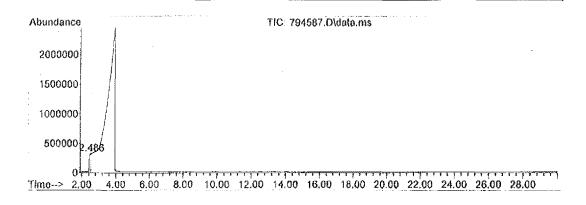
Operator : NEM

Date Acquired : 2 Jul 2011 14:52

Sample Name : Submitted by :

ASD

Vial Number : 87
AcquisitionMeth: SCREEN
Integrator : RTE



| Ret. Time | Area    | Area % | Ratio % |
|-----------|---------|--------|---------|
| 2.486     | 1532795 | 100.00 | 100.00  |

File Name : F:\SYSTEM4\07\_01\_11\794587.D

Operator : NEM

Date Acquired : 2 Jul 2011 14:52

Sample Name

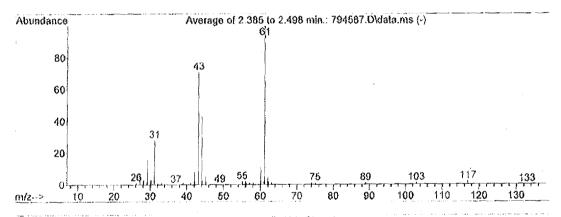
Submitted by ASD Vial Number 87 AcquisitionMeth: SCREEN Integrator : RTE

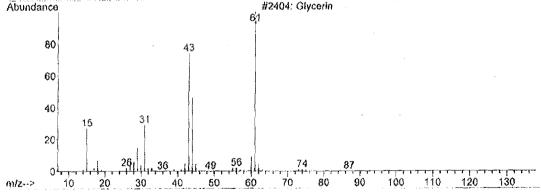
Search Libraries: C:\Database\SLT.L

Minimum Quality: 80 C:\Database\NIST08.L Minimum Quality: 80

C:\Database\PMW\_TOX2.L

| PK# | RT   | Library/ID           | CASH        | Qual |
|-----|------|----------------------|-------------|------|
| 1   | 2.49 | C:\Database\NIST08.L |             |      |
|     |      | Glycerin             | 000056-81-5 | 90   |
|     |      | Glycerin             | 000056-81-5 | 83   |
|     |      | Diglycerol           | 000627-82-7 | 83   |





File Name : F:\SYSTEM4\07\_01\_11\794588.D

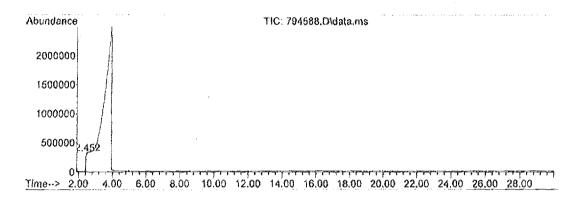
Operator : NEM

Date Acquired : \_ 2 Jul 2011 15:26

Sample Name : Submitted by : Vial Number :

ASD 88

AcquisitionMeth: SCREEN Integrator : RTE



| Ret. Time | Area    | Area % | Ratio % |
|-----------|---------|--------|---------|
| 2.452     | 1056932 | 100.00 | 100.00  |

File Name : F:\SYSTEM4\07\_01\_11\794588.D

Operator : NEM

Date Acquired : 2 Jul 2011 15:26

Sample Name

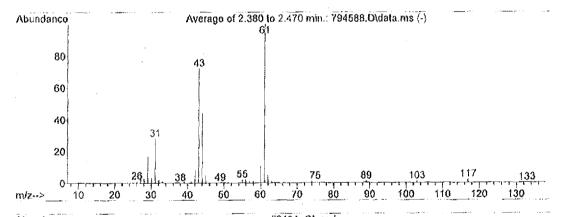
Submitted by : ASD
Vial Number : 88
AcquisitionMeth: SCREEN
Integrator : RTE

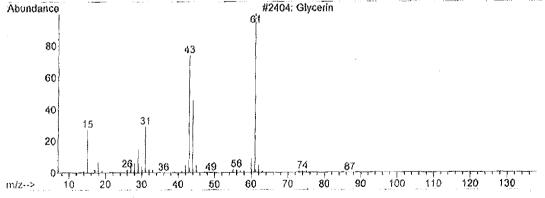
Search Libraries: C:\Database\SLI.L

C:\Database\SLI.L Minimum Quality: 80 C:\Database\NIST08.L Minimum Quality: 80

C:\Database\PMW\_TOX2.L

| PK# | RT   | Library/ID                       | CAS#                       | Qual     |
|-----|------|----------------------------------|----------------------------|----------|
| 1   | 2.45 | C:\Database\NIST08.L<br>Glycerin | 000056-81-5                | 90       |
|     |      | Glycerin<br>Glycerin             | 000056-81-5<br>000056-81-5 | 83<br>83 |





### Area Percent / Library Search Report

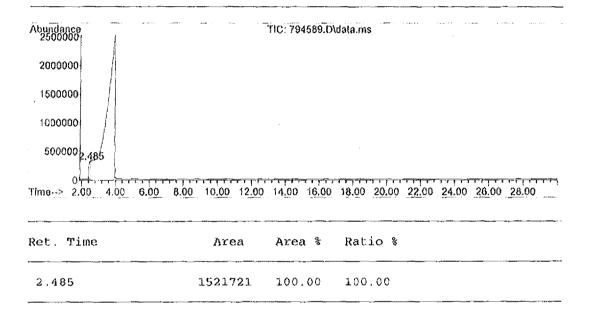
Information from Data File:

File Name : F:\SYSTEM4\07\_01\_11\794589.D

Operator : NEM

Date Acquired : 2 Jul 2011 16:00

Sample Name :
Submitted by : ASD
Vial Number : 89
AcquisitionMeth: SCREEN
Integrator : RTE



File Name : F:\SYSTEM4\07\_01\_11\794589.D

Operator : NEM

Date Acquired : 2 Jul 2011 16:00

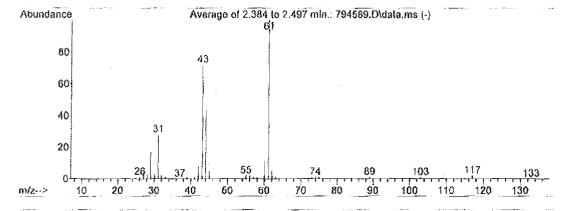
Sample Name : Submitted by : ASD Vial Number : 89 AcquisitionMeth: SCREEN Integrator : RTE

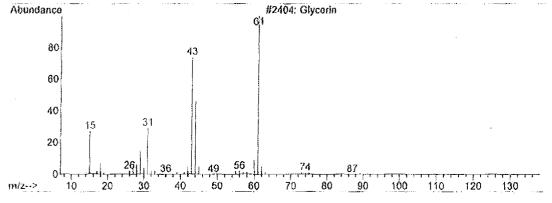
Search Libraries: C:\Database\SLI.L Minimum Quality: 80

C:\Database\NIST08.L Minimum Quality: 80

C:\Database\PMW\_TOX2.L

| PK# | RT   | Library/ID           | CAS#        | Qual |
|-----|------|----------------------|-------------|------|
| 1   | 2.49 | C:\Database\NIST08.L |             |      |
|     |      | Glycerin             | 000056-81-5 | 90   |
|     |      | Glycerin             | 000056-81-5 | 83   |
|     |      | Diglycerol           | 000627-82-7 | 83   |





: F:\SYSTEM4\07\_01\_11\794590.D File Name

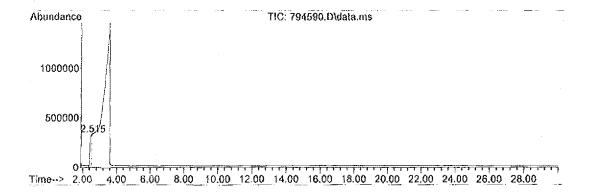
Operator : NEM

Date Acquired : 2 Jul 2011 16:34

Sample Name Submitted by Vial Number

ASD 90

AcquisitionMeth: SCREEN Integrator : RTE



| Ret Time | Area    | Area % | Ratio % |
|----------|---------|--------|---------|
| 2.515    | 1964736 | 100.00 | 100.00  |

File Name : F:\SYSTEM4\07\_01\_11\794590.D

Operator : NEM

Date Acquired 2 Jul 2011 16:34

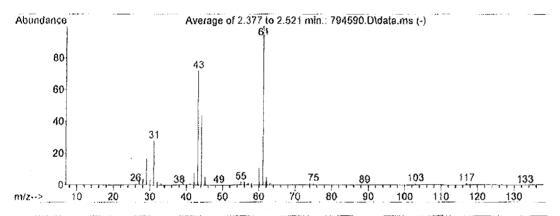
Sample Name Submitted by ASD Vial Number 90 AcquisitionMeth: SCREEN Integrator : RTE

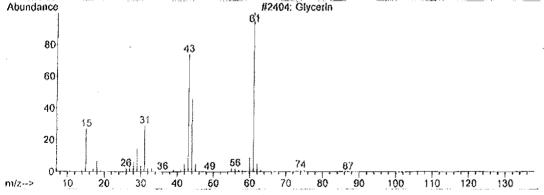
Search Libraries: C:\Database\SLI.L Minimum Quality: 80 Minimum Quality: 80

C:\Database\NISTO8,L

C:\Database\PMW TOX2.L

| PK# | RT   | Library/ID           | CAS#        | Qual |
|-----|------|----------------------|-------------|------|
| 1.  | 2.51 | C:\Database\NIST08.L |             |      |
|     |      | Glycerin             | 000056-81-5 | 90   |
|     |      | Glycerin             | 000056-81-5 | 83   |
|     |      | Diglycerol           | 000627-82-7 | 78   |





File Name : F:\SYSTEM4\07\_01\_11\794591.D

Operator : NEM

Date Acquired : 2 Jul 2011 17:09

Sample Name : BLANK
Submitted by : ASD
Vial Number : 2
AcquisitionMeth: SCREEN
Integrator : RTE

